

FINAL TECHNICAL REPORT / RAPPORT TECHNIQUE FINAL

ANNEX 2.7 TOP COMMUNICATION OUTPUTS FROM PROJECT

DHAN Foundation ;McGill University;

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Annex 2.7: Top communication outputs from project

Project #: Scaling up Small Millet Post-harvest and Nutritious Food Products- 108128

Project #: 108128	Title	Provide link or indicate if attached
Policy Brief(s): Focusing on key lessons, results and findings of the project	1. Small millets, big potential: diverse, nutritious and climate smart , M. Karthikeyan, DHAN Foundation	http://www.dhan.org/smallmillets2/file/Small_Millets_Policy_Brief_Aug_2014%20(1).pdf
	2. Small millets in mainstream diets: Establishing decentralized processing infrastructure , M. Karthikeyan, DHAN Foundation	http://www.dhan.org/smallmillets2/file/Promoting%20Processing%20Infrastructure%20for%20SM%20A%20Policy%20Paper.pdf
	3. National policy workshop on mainstreaming small millets in our diets, 1 June 2017, New Delhi - synthesis of policy recommendations , DHAN Foundation	http://www.dhan.org/smallmillets2/file/Proceedings%20of%20policy%20workshop.pdf
	4. Comprehensive support package for MSMEs in millet sector , DHAN Foundation	Copy of manuscript is attached as Annex 2.11
Academic Paper(s): Addressing overarching research findings of the project that are of interest to a broader audience (rather than a specific discipline). Book or book chapter can also be included	1. Helping agribusiness – small millets value chain – to grow in India , Ademola Adekunle, Darwin Lyew, Valérie Orsat, Vijaya Raghavan, 2018. Agriculture 8: 44; 11 pp.	https://doi.org/doi.10.3390/agriculture8030044 Annex 1.9 – Attached
	2. Nutritional comparison of millets with other super foods , Sai Kranthi Vanga, Ashutosh Singh, Valérie Orsat, Vijaya Raghavan. McGill University. Submitted to the <i>International Journal of Food Science</i> .	Copy of manuscript is attached as Annex 2.5
	3. Millets for food security in the context of climate change: A Review , Rachit Saxena, Sai Kranthi Vanga, Jin Wang, Valérie Orsat, Vijaya Raghavan. Submitted to <i>Sustainability</i>	Copy of manuscript is attached

	4. Effects of climate change on the yield of cereal crops: A review , Jin Wang, Sai Kranthi Vanga, Rachit Saxena, Valérie Orsat, Vijaya Raghavan. McGill University Submitted to <i>Climate</i> .	Copy of manuscript is attached
	5. Strengthening value chain actors for scaling up the reach of nutrition-dense small millets , M. Karthikeyan, V. VEDIYAPPAN and T. PARAMASIVAM, DHAN Foundation, Presentation in the <i>Global Food Security Conference 2017</i>	Annex 1.1 - attached
	6. Millet promotion: Perspective of DHAN Foundation , M. Karthikeyan: Nutricereals for farmers', environment and consumers' security, <i>International Trade Fair 2018-Organics And Millets, Bangalore</i> , January 19-21, 2018	http://www.dhan.org/smallmillets2/file/Millet-Promotion-Perspective-of-DHAN-Foundation.pdf Annex 1.22 - attached
	7. Integrated local and regional value chain development for small millets: Some observations and reflections , M. Karthikeyan: Dialogue on millets, Monsoon and market, MSSRF, Chennai, April 15-17, 2018	http://www.dhan.org/smallmillets2/file/Integrated-Local%20and-regional-SM-value-chain-development.pdf Annex 1.21 – attached
Gender output: Include one outputs (of any type) related to gender findings of the project, if available.	1. Gender analysis for providing customized support to small millet food enterprises , DHAN Foundation	Copy of manuscript is attached
Video or photo slide show , if available:	1. Awareness posters on small millets , DHAN Foundation	http://www.dhan.org/smallmillets2/sm-poster.html
	2. Audio-visual manual on community scale small millet processing , DHAN Foundation	http://www.dhan.org/smallmillets2/sm-audio-video.html

	3. <i>Sirudhaniya Isai Virundhu</i> , DHAN Foundation – Motivational songs on small millets – A Music Treat - Audio - Tamil	http://www.dhan.org/smallmillets2/sm-songs.html
	4. <i>Puthayal</i> (Treasure) - An effort to revive lost food habits, DHAN Foundation - ten episodes of radio programme	http://www.dhan.org/smallmillets2/sm-puthaiyal.html
	5. Small Millet Recipes , DHAN Foundation – Short films on small millet recipes preparation in Tamil, Telugu, Hindi and Odiya	http://www.dhan.org/smallmillets2/sm-recipes-videos-tamil.html http://www.dhan.org/smallmillets2/sm-recipes-videos-telugu.html
	6. Appealing Small Millet Recipes , DHAN Foundation & Tamil Nadu Agricultural University - Short films on modern value added small millet-based food products	https://youtu.be/P9wsGi-leFQ
Other: i.e. outcome story, blog, national or international newspaper article, etc.		
Outcome stories	1. Increasing gender equality among small millet farmers in South Asia , Rachana Devkota, M. Karthikeyan, H Sam, Hom Gartaula, S Kiran, KN Bijaya and M Nadhiya, Stories of change, Revalorising Small Millets in Rainfed Regions of South Asia Project	http://www.dhan.org/smallmillets/docs/report/Increasing_gender_equality_among_small_millet_farmers_in_South_Asia.pdf
	2. Small millet farmers increase yields through participatory varietal selection in South Asia , M. Karthikeyan, CSP Patil, H Samaratunga, K. Kamal, S Kiran, L Husack and KN Bijaya, Stories of change, Revalorising Small Millets in Rainfed Regions of South Asia Project	http://www.dhan.org/smallmillets/docs/report/Small_millet_farmers_increase_yields_through_participatory_varietal_selection_in_South_Asia.pdf
Seminar abstract	1. National seminar on Emerging Trends in Processing & Value Addition of Small Millets , Madurai, India-abstracts	http://www.dhan.org/smallmillets2/file/Abstract.pdf

Protocols, Technical manuals, Guidelines, etc.	1. Protocol for Assessment of the existing small millet processing units, DHAN Foundation	http://www.dhan.org/smallmillets2/file/Protocol%20for%20assessment%20of%20the%20existing%20SMPUs.pdf
	2. Guidelines for Setting up a small millet processing unit, DHAN Foundation	http://www.dhan.org/smallmillets2/file/guidelines-sm.pdf
	3. Guidance note on Purchasing small millet processing equipment, DHAN Foundation	http://www.dhan.org/smallmillets2/file/SM%20processing%20equipment%20Flyer%20pdf%20(1).pdf
	4. Multi millet based instant therapeutic foods-A technical manual, Tamil Nadu agricultural university	http://www.dhan.org/smallmillets2/file/Multi%20Millet%20Based%20Instant%20Therapeutic%20Foods.pdf
	5. Multi small millets based food products-A technical manual, Tamil Nadu agricultural university	http://www.dhan.org/smallmillets2/file/Multi%20Small%20Millets%20Based%20Food%20Products.pdf
	6. Protocol for ToT on small millet recipe demonstration, DHAN Foundation	http://www.dhan.org/smallmillets2/file/Protocol%20for%20ToT%20on%20Small%20Millet%20RD.pdf
	7. Technical bulletin on Value added products from small millets, Tamil Nadu agricultural university	http://www.dhan.org/smallmillets2/file/Technical%20Bulletin%20on%20SM%20Food%20products.pdf
	8. <i>Nam unavu nam marabu</i> , DHAN Foundation (Book on small millet recipes in Tamil)	http://www.dhan.org/smallmillets2/file/nam%20unavu%20nam%20marabu.pdf
Studies	1. Assessment of existing small millet processing equipment in India, DHAN Foundation	http://www.dhan.org/smallmillets2/file/Assessment%20report%20of%20existing%20SM%20processing%20equipment%20in%20India.pdf
	2. Millet usage & attitude study: Research findings on a usage & attitude study across urban as well as rural areas of India, McGill University	Copy of manuscript is attached as Annex 2.3
Research papers	1. Development of a millet dehuller (hand-operated) to reduce drudgery in processing and utilization of millet waste (hulls) in antioxidant extraction, Subhash Palaniswamy, M.Sc. Thesis, McGill university	Title and abstract pages attached as Annex 2.10

	2. Implementation of mechanized post-harvest processing technologies of millets: A review , Subhash Palaniswamy, Samson Sotocinal, Valérie Orsat, Vijaya Raghavan. Submitted to <i>Food Research International</i>	Copy of manuscript is attached as Annex 2.2
	3. Experimenting with Otake huller for processing of small millets- Learning & insight for improving hulling equipment for small millets , P. Saravanan: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.	http://www.dhan.org/smallmillets2/file/Abstract.pdf
	4. Effect of de-hulling process on milling and nutritional quality of millets , Varadharaju N., and Ganesan S. <i>Journal of Nutrition and Food Sciences</i> . 7 (3): P.33. 2017	Annex 1.6 - attached
	5. Dehuller for millets , Varadharaju N., Malathi D. and Ganesan S.: <i>Indian Farming</i> 65(12): 77-78.	Annex 1.7 - attached
	6. Effect of parboiling (thermal treatment) on de-hulling and cooking qualities of little millet (<i>Panicum sumatrense</i>) and foxtail millet (<i>Setaria italica</i>) , Varadharaju N. and Ganesan S. <i>Journal of Nutrition and Food Sciences</i> . 7 (3): P.56. 2017	Annex 1.3 - attached
	7. Optimization of the malting process for nutritional improvement of finger millet and amaranth flours in the infant weaning food industry , Sara Najdi Hejazi and Valérie Orsat, McGill university. <i>International Journal of Food Sciences and Nutrition</i> 68(4): 429-441	https://www.researchgate.net/publication/311333943 https://dx.doi.org/10.1080/09637486.2016.1261085
	8. Molecular evaluation of the effect of processing on the bifunctional inhibitor protein of trypsin and alpha-amylase from ragi seed (RATI) , Shannon Fenwick, Sai Kranthi Vanga, Alison Gowman, Andrea Di Nardo, Vijaya Raghavan, Ashutosh Singh. Submitted to <i>Food</i>	Copy of manuscript is attached

	<i>Biophysics.</i>	
	9. Evaluation of nutritive quality & sensory attributes of mushroom powder fortified millets cookies , A. Padma, R. Rajendran and D. Malathi Tamil Nadu Agricultural university National Symposium- Trends in Agricultural and Bio-systems Engineering (TABE 17), March 27-28, 2017, Department of Bio-Energy, Tamil Nadu Agricultural University, Coimbatore, Pp.319-321.	Annex 1.10 – attached
	10. Millet incorporated bakery foods , D. Malathi, G. Gurumeenakshi and A. Padma: Indian Farming. 65(12):75-76.March 2016.	Annex 1.2 - attached
	11. Development and quality evaluation of multi-millet cookies , D. Malathi, A. Padma and B. Subbulakshmi: Journal of Nutrition and Food Sciences.7 (3): Pp.55. 2017	Annex 1.4 – attached
	12. Development of prebiotic bakery products from millets and xylo oligosaccharides D. Malathi, A. Padma and B. Subbulakshmi: Journal of Nutrition and Food Sciences. 7 (3): P.61. 2017	Annex 1.5 - attached
	13. Formulation of multi millet cookies and evaluate its hypoglycaemic effect in albino rats , D. Malathi and B. Subbulakshmi: Journal of Crop and Weed. 13(3): 112-116 (2017).	Annex 1.8 – attached
	14. Standardization of multi millet cookies , D. Malathi and A. Padma, Presented in National seminar on Functional Foods to Achieve Nutrition and Health Security, 19th September 2016, Home Science College & Research Institute, Madurai. Pp: 97.	https://food.conferenceseries.com/speaker/2017/malathi-d-tamil-nadu-agricultural-university-india-2063837808
	15. Development of multi millet vegetable Roti mix , D. Malathi, N. Suganya, Lilia-Baby, B. Subbulakshmi and R.	http://www.dhan.org/smallmillets2/file/Abstract.pdf Annex 1.12 – Attached

	Gokhal Seetha: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukkam ground, Madurai.	
	16. Development and evaluation of small millet based palak leaves dosa mix , D. Malathi, Lilia-Baby, B. Subbulakshmi, R. Gokhal Seetha and N. Suganya: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.	http://www.dhan.org/smallmillets2/file/Abstract.pdf Annex 1.13 – Attached
	17. Standardisation and evaluation of small millet based drumstick leaves chappathi mix , D. Malathi, Lilia-Baby, B. Subbulakshmi, R. Gokhal Seetha and N. Suganya: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.	http://www.dhan.org/smallmillets2/file/Abstract.pdf Annex 1.11 – Attached
	18. Development of fenugreek leaves incorporated multi millets instant rice mix , D. Malathi, B. Subbulakshmi, Lilia-Baby, R. Gokhal Seetha and N. Suganya: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.	http://www.dhan.org/smallmillets2/file/Abstract.pdf Annex 1.14- attached
	19. Formulation and development of instant food mixes based on millets , D. Malathi and B. Subbulakshmi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.	http://www.dhan.org/smallmillets2/file/Abstract.pdf Annex 1.15- attached
	20. Glycemic index of selected small millet , D. Malathi and B. Subbulakshmi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.	http://www.dhan.org/smallmillets2/file/Abstract.pdf Annex 1.16- attached

	<p>21. Multi millets based traditional food mixes, D. Malathi and B. Subbulakshmi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.</p>	<p>http://www.dhan.org/smallmillets2/file/Abstract.pdf</p> <p>Annex 1.17- attached</p>
	<p>22. Nutrients dense multi millets health mix, D. Malathi and B. Subbulakshmi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.</p>	<p>http://www.dhan.org/smallmillets2/file/Abstract.pdf</p> <p>Annex 1.18- attached</p>
	<p>23. Hypoglycemic effect of drumstick leaves incorporated multi millets dosa mix in diabetic induced rats, D. Malathi and B. Subbulakshmi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.</p>	<p>http://www.dhan.org/smallmillets2/file/Abstract.pdf</p> <p>Annex 1.19- attached</p>
	<p>24. Standardization and evaluation of multi millet based food, D. Malathi and B. Subbulakshmi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.</p>	<p>http://www.dhan.org/smallmillets2/file/Abstract.pdf</p> <p>Annex 1.20 - attached</p>
	<p>25. Dehulled small millets: A potential food for improving the nutrition of children, D. Malathi, G. Gurumeenakshi, N. Varadharaju, M. Karthikeyan, & B. Subbulakshmi; To be submitted to Special Supplement of Maternal and Child Nutrition</p>	<p>Annex 1.23 – attached</p>
	<p>26. Development of traditional based sweet recipes from little millet, G. Sindumathi and D. Malathi: Presented in National Seminar on Emerging Trends in Processing and Value Addition of Small Millets, 22-23, September 2017, Thamukam ground, Madurai.</p>	<p>Annex 1.24 – attached</p>

Newspapers coverage	1. The millet story: Millets travel from tribal farms to dinner tables , Village Square, Dated 26.06.2017	https://www.villagesquare.in/2017/06/26/millets-travel-tribal-farms-dinner-tables/
	2. Millet consumption on the decline- THE HINDU dated 23 rd September 2017	http://www.dhan.org/smallmillets2/sm-news.html
	3. Increase area of millet cultivation to fight declining cereal diversity: Experts- THE TIMES OF INDIA dated 24 TH September 2017	http://www.dhan.org/smallmillets2/sm-news.html
	4. Thoroughly modern millets , DNA, 8 October 2017	http://www.dnaindia.com/lifestyle/report-thoroughly-modern-millets-2551181
	5. Training on millet based bakery and fast food preparation, Mandla, Madhya Pradesh , Dainik Bhaskar, 28 October 2017	http://www.dhan.org/smallmillets2/sm-news.html
	6. Three in one laddu, seven in one briyani , Dinamalar dated 5 th December 2017	http://www.dhan.org/smallmillets2/sm-news.html
	7. Noval small millet recipe competition for college students, Madurai, Tamil Nadu , Malai Malar dated 7 th December 2017	http://www.dhan.org/smallmillets2/sm-news.html
	8. Training on small millet processing, Annaib Krishi, Chhattisgarh , Raj Express dated 8 th December 2017	http://www.dhan.org/smallmillets2/sm-news.html
	9. Training on small millet processing Mandla, Madhya Pradesh , Dated 09 th December 2017	http://www.dhan.org/smallmillets2/sm-news.html
	10. Visakhapatnam: Millet Processing Hub Inaugurated , Deccan Chronicle dated 19 th December 2017	http://www.dhan.org/smallmillets2/sm-news.html
	11. Increase in production of millets by 35% - Dinamalar dated 16 th February 2018	http://www.dhan.org/smallmillets2/sm-news.html

	12. Workshop on nutritious food, Madurai, Tamil Nadu – Indian Express dated 16 th February 2018	http://www.dhan.org/smallmillets2/sm-news.html
	13. Holistic policy needed to promote small millets, Madurai, Tamil Nadu – The Hindu dated 16 th February 2018	http://www.dhan.org/smallmillets2/sm-news.html
	14. Workshop on need to scale up millet processing, consumption, Madurai, Tamil Nadu - Indian Express dated 16 th February 2018	http://www.dhan.org/smallmillets2/sm-news.html
	15. 124 millet porridge vendors from eight states trained in food safety, hygiene – The Times of India dated 16 th February 2018	http://www.dhan.org/smallmillets2/sm-news.html